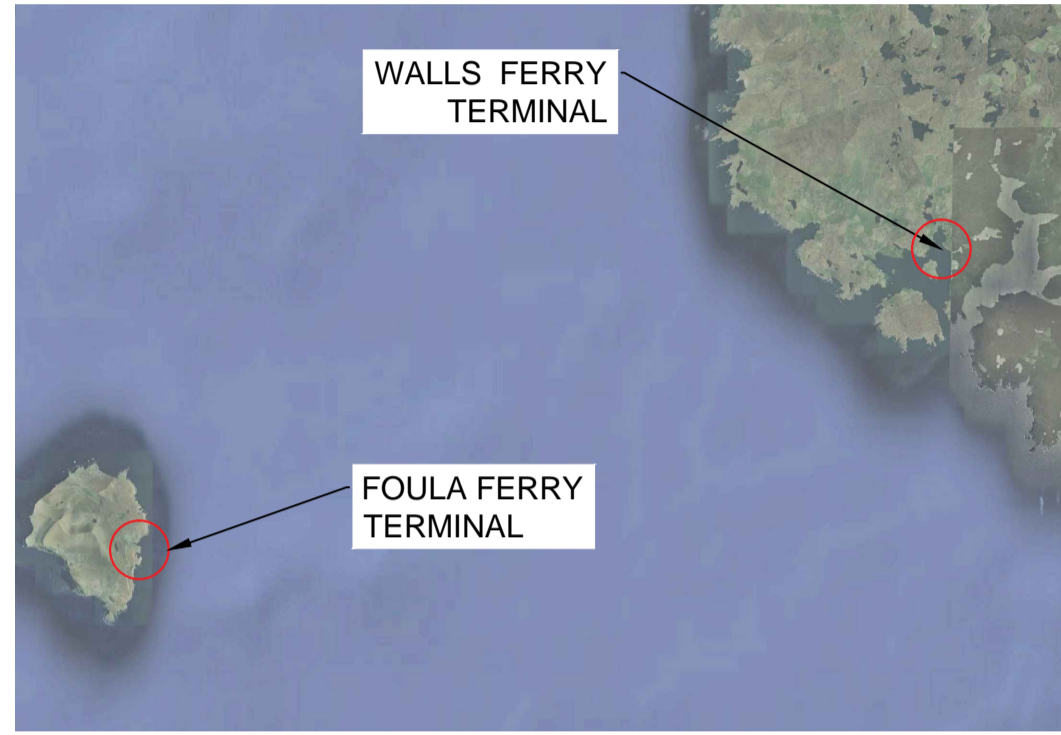


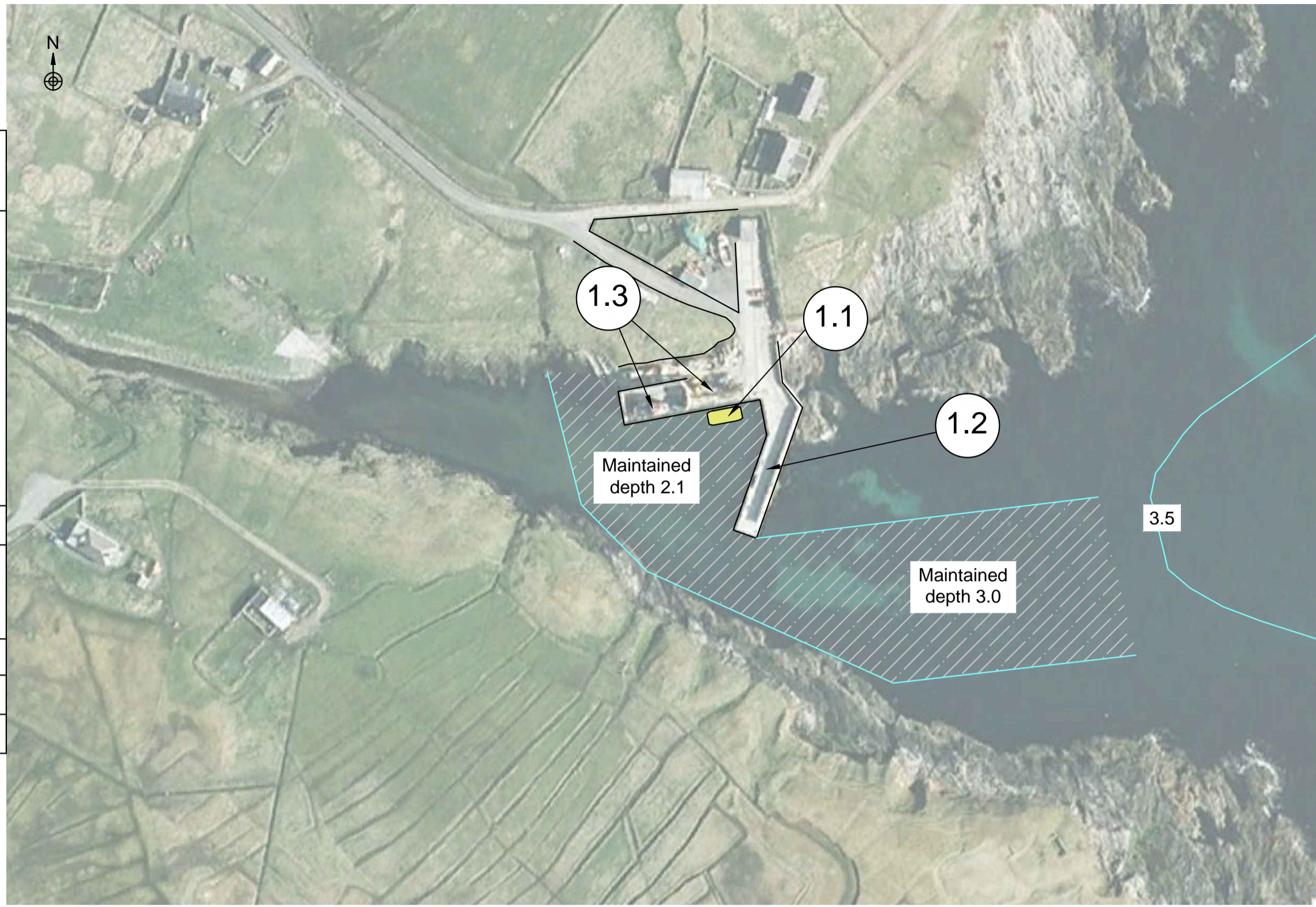
NTS



NTS

1) CURRENT CONDITION

1.1	Current Main Vessel	<p>Size: MV NEW ADVANCE</p> <ul style="list-style-type: none"> Loa = 9.8m Beam = 4.05 m Draught = 1.72 m <p>Capacity:</p> <ul style="list-style-type: none"> 12 passengers 1 (small) PCU
1.2	Breakwater	40m long
1.3	Ferry Berth	<ul style="list-style-type: none"> 20m long concrete quay provided with a crane. Vessel lifted out of the water on davits in times of rough weather.
1.4	Linkspan	None
1.5	Parking/waiting area	None
1.6	Facilities	None



Scale approx. 1:1250

2) LIKE FOR LIKE OPTION No Terminal upgrades

2.1	Vessel	Same size and capacity as per existing due to access restrictions (depth, entrance width, limited manoeuvring area) and davits.
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Scale approx. 1:1000

3) FULL OR PARTIAL RO-RO SERVICE Possible upgrade

3.1	Vessel	Assumed a <i>catamaran</i> type Loa = 20m, B = 6m. Additional shelter may be required during storm conditions. Proposed catamaran not suitable for lifting out of the water by the existing davits.
3.2	Detached breakwater	120 m approx. long of a detached rubble mound breakwater to protect the harbour from easterly waves. Further studies are needed (physical modeling) to determine if suitable shelter under storm conditions is achieved. The breakwater layout could be optimized possibly by linking it to the shore at one end and having just one entrance channel.
3.3	Dredging	Required dredging of navigational channel and inner harbour up to -3.5m CD.
3.4	Demolition	Demolition of existing quay to improve vessels access.
3.5	Fixed ramp	Possible provision of fixed ramp.

Other alternative locations within the isle could be considered for a new Terminal.

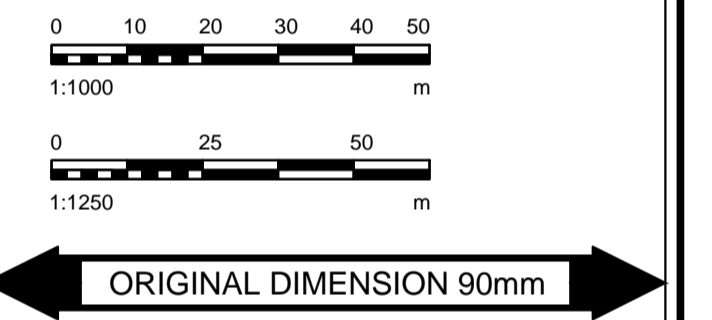


Scale approx. 1:1250

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SHETLAND TIDAL LEVELS

LOCATION	MHWS	MHWN	MLWN	MLWS
Foula	2.0	1.6	0.9	0.5



Reference Drawings:

C	18/07/16	SIC comments
B	15/06/16	PBA comments
A	25/04/16	Included RoRo vessel / corrections
Rev	Date	Details

Client:



Project:
SHETLAND INTER-ISLAND TRANSPORT STUDY

Title:
FOULA OPTIONEERING



47 Gillingham Street
Westminster, London SW1V 1HS
www.beckettrankine.com

Status:	FOR DISCUSSION	Scale at A1 Original:	AS SHOWN
Drawn:	DP	Checked:	GR
Date:	22/03/16	Revision:	C
Drawing Number:	1537-01-401		